

Patent Number(s): JP51127195-A; JP78037116-B

Title: Polyester prodn. from crude terephthalic acid and ethylene glycol - and polycondensing the obtd. ester in presence of metal cpds.

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Patents Cited by Inventor: 0 **Citing Patents:** 0 **Articles Cited by Inventor:** 0

Patents Cited by Examiner: 0 **Articles Cited by Examiner:** 0

Abstract:

Good quality polyester is produced by reacting crude terephthalic acid and ethylene glycol, and polycondensing the obtd. ester. Terephthalic acid contg. 100-1000 ppm of 4-carboxybenzaldehyde is esterified directly with ethyleneglycol. The obtd. ester is polycondensed in the presence of an antimony cpd., a cobalt cpd. and a tin cpd. The Sb cpd. may be antimony trioxide, $0.6-4 \times 10^{-4}$ mol per mol of terephthalic acid; the Co cpd. may be cobalt chloride or cobalt acetate, $0.5-5 \times 10^{-4}$ mol as cobalt per mol of terephthalic acid and the Sn cpd. may be tin oxide or tin succinate, 3-50 ppm as tin per terephthalic acid. Polyester is used to produce fibres and films.

International Patent Classification: C07C-067/08; C07C-069/82; C08G-063/36

Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds)

Derwent Manual Code(s): A02-A06; A02-A07A; A05-E04A

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